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## **M E M O**

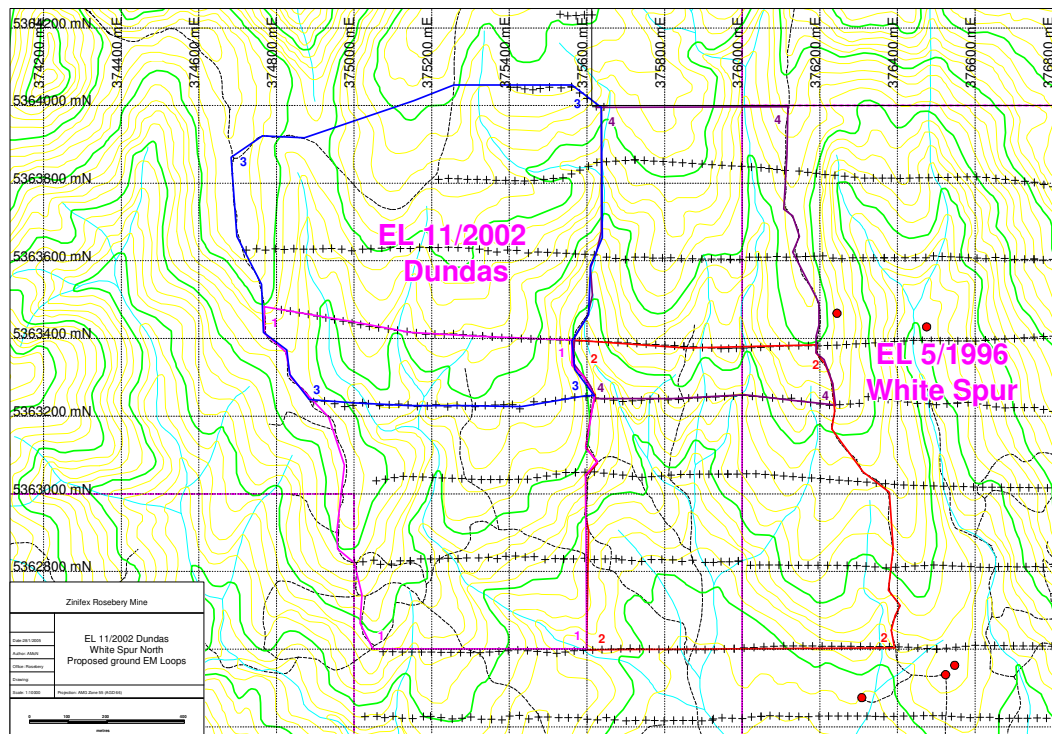
**To:** Andrew Mc Neill  
**From:** Jovan Silic  
**Re:** White Spur North Ground EM data  
**Date:** August 11, 2005

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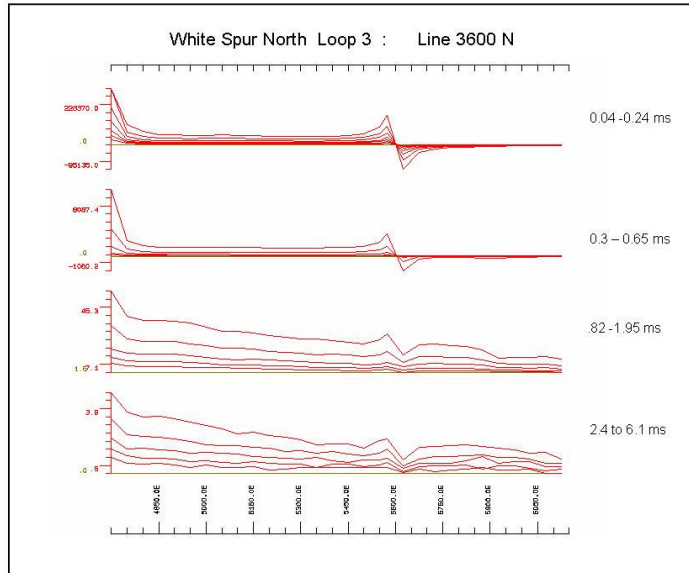
### **INTRODUCTION**

A four loop ground EM (Figure 1) was planned for the White Spur North Prospect within the Zinifex exploration license EL 11/2002

**Figure 1.: White Spur North TDEM survey grid**



The only set of responses which could be currently attributed to anomalous conductive targets are from the Loop 1 and Loop 3 data set. These anomalous responses are shown in profile form in Figure 2– 4.



**Figure 4. White Spur North Loop 3: Line 3600 N**

Essentially with the EM response increasing towards the western ends of lines 3000 N – 3400 N the data appears to be outlining a possible anomalous response at “late times” (from 2.0 millisecond onwards) to the west of the survey area . The anomalous response has not been closed off in the in the westerly or northerly direction. As a result it is currently interpreted that the anomalous data is indicating a conductor to the west of the survey area, but its location geometry or depth cannot be determined on the basis of the current data.

More concise definition of this target however will require collecting additional data using same or similar loops extending the survey coverage to the west of the current survey boundary.

## **CONCLUSIONS**

White Spur North ground TDEM Survey has identified an anomalous response in the survey area. The definition of this potential bedrock target is currently incomplete and requires extending the survey coverage outside the western boundary of the existing grid.